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Approved for use through 04/30/2003. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

FEE TRANSMITTAL for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 180.00

Complete if Known

Application Number	09/851,576
Filing Date	05/10/2001
First Named Inventor	Yao-Ching Su
Examiner Name	MACCHIAROLO, PETER J.
Art Unit	2875
Attorney Docket No.	ADTP0033USA

METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None

☒ Deposit Account:

Deposit Account Number
Deposit Account Name

50-0801

North America International Patent Office

The Commissioner is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments

☒ Charge any additional fee(s) during the pendency of this application

☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1001	750	2001	375	Utility filing fee	
1002	330	2002	165	Design filing fee	
1003	520	2003	260	Plant filing fee	
1004	750	2004	375	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	
SUBTOTAL (1)					(\$) 0.00

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

		Extra Claims		Fee from below		Fee Paid
Total Claims		-20** =		X		
Independent Claims		-3** =		X		
Multiple Dependent						0.00

Large Entity		Small Entity		Fee Description
Fee Code	Fee (\$)	Fee Code	Fee (\$)	
1202	18	2202	9	Claims in excess of 20
1201	84	2201	42	Independent claims in excess of 3
1203	280	2203	140	Multiple dependent claim, if not paid
1204	84	2204	42	** Reissue independent claims over original patent
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$) 0.00

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for <i>ex parte</i> reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	410	2252	205	Extension for reply within second month	
1253	930	2253	465	Extension for reply within third month	
1254	1,450	2254	725	Extension for reply within fourth month	
1255	1,970	2255	985	Extension for reply within fifth month	
1401	320	2401	160	Notice of Appeal	
1402	320	2402	160	Filing a brief in support of an appeal	
1403	280	2403	140	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,300	2453	650	Petition to revive - unintentional	
1501	1,300	2501	650	Utility issue fee (or reissue)	
1502	470	2502	235	Design issue fee	
1503	630	2503	315	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	180.00
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	750	2809	375	Filing a submission after final rejection (37 CFR 1.129(a))	
1810	750	2810	375	For each additional invention to be examined (37 CFR 1.129(b))	
1801	750	2801	375	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) 180.00

SUBMITTED BY

Name (Print/Type)	Winston Hsu	Registration No. (Attorney/Agent)	41,526	Telephone	886289237350
Signature		Date	05/18/2003		

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

5 Applicants: Yao-Ching Su, Yih-Jer Lin
Examiner: MACCHIAROLO, PETER J.
Filing Date: 05/10/2001 Art Unit: 2875
App. No.: 09/851,576 Docket No.: ADTP0033USA

10

Title: ELECTRODE STRUCTURE OF A PLASMA DISPLAY PANEL

To: Commissioner for Patents
P.O. BOX 1450
15 Alexandria, VA 22313-1450

Subject:

1. Information disclosure statement under 37 CFR §1.56.
- 20 2. Petition to request consideration of the information disclosure statement.

Dear Sir:

25 This is an Information Disclosure Statement in accordance with the duty to disclose information material to patentability under 37 CFR §1.56. The applicant wishes to make of record the document listed on the accompanying form PTO/SB/08. It is respectfully
30 requested that the examiner initials the cited reference on the form and that it be made of record in the application and that a copy of the initialed

11/25/2003 HAHMED1 00000160 500801 09851576

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form be sent to the applicant with the next communication from the examiner.

5 Since the IDS is filed after the issue of the final Office action, a petition to request consideration of the information disclosure statement is hereby requested according to 37 CFR §1.97(e)(1). The prior art patent contained in the information disclosure statement was cited in communications from the Chinese
10 Intellectual Property Office on Sep. 12, 2003 for a counterpart foreign application. Since this IDS is being submitted within three months of the date in which this prior art patent was first cited, the applicant sincerely hopes that the examiner can consider the item
15 contained in this IDS.

According to the requirement set forth in 37 CFR §1.98 and MPEP 609 (Rev.1, Feb. 2000), the applicant is submitting a copy of Chinese patent document CN
20 publication No. 1269570A (published Oct. 11, 2000), Japanese patent documents JP publication No. 11-297214 (published Oct. 29, 1999) and JP publication No. 2000-123750A (published Apr. 28, 2000), US patent No. 6,031,329 (filed Mar. 27, 1998), and a concise
25 explanation of the relevance to this application hereinafter. For convenience, claim 1 of the present application is appended at the end of this response.

Fig. 4 of CN 1269570A appears to be the most relevant
30 drawing, and shows a plasma display panel with a first auxiliary electrode 20 positioned in a first gap between a first sustaining electrode 14 and a second sustaining

electrode 13. Since the first auxiliary electrode 20 disclosed in CN 1269570A is not electrically connected to the first sustaining electrode 14, and does not comprise a second part located above the first sustaining electrode 14, the claimed invention of the present application is significantly different from the teachings in CN 1269570A.

JP 11-297214 discloses a plasma display panel. As shown in Fig. 2 of JP 11-297214, the plasma display panel comprises a discharge gap 21 positioned between two sustaining electrodes 2. The plasma display panel further comprises an auxiliary electrode 3, and a portion of the auxiliary electrode 3 is located above the sustaining electrode 2. Since JP 11-297214 never teaches that the auxiliary electrode 3 can be formed in the discharge gap 21, it is believed to be significantly different from the claimed invention of the present application.

20

JP 2000-123750A discloses a plasma display panel. As shown in Fig. 3 of JP 2000-123750A, the plasma display panel comprises a plurality of ribs 40 formed on a back substrate. The ribs 40 are parallel to each other and perpendicular to the first auxiliary electrode 70. The plasma display panel further comprises a first sustaining electrode 61 and a second sustaining electrode 62. The first auxiliary electrode 70 is positioned in a first gap between the first sustaining electrode 61 and the second sustaining electrode 62. However, the first auxiliary electrode 70 is not electrically connected to the first sustaining

electrode 61. The first auxiliary electrode 70 does not comprise a second part located above the first sustaining electrode 61, either. Therefore, the claimed invention of the present application is significantly
5 different from the teachings in JP 2000-123750A.

US 6,031,329 is one the prior arts cited in Office action dated 04/15/2003 and has been considered by the Examiner.

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Present application claim 1 (which was amended in response to Office action dated 04/15/2003):

1. (amended) An electrode structure of a plasma display
15 panel (PDP), the electrode structure formed on a front substrate of the PDP, and comprising:

a first sustaining electrode and a second sustaining electrode set on the surface of the front substrate, and a first gap existing between the first and second
20 sustaining electrodes; and

a first auxiliary electrode electrically connected to the first sustaining electrode, the first auxiliary electrode comprising a first part and a second part in contact with the first part, the first part formed
25 in the first gap, and the second part located above the first sustaining electrode;

wherein a second gap existing between the first part of the first auxiliary electrode and the second sustaining electrode is used as a discharge gap of the
30 electrode structure of the PDP, and the width of the second gap is smaller than the width of the first gap.

Respectfully Submitted,

5 Winston Hsu Date: 11/18/2023

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2875-B

PTO/SB/21 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>	Application Number	09/851,576	
	Filing Date	05/10/2001	
	First Named Inventor	Yao-Ching Su	
	Group Art Unit	2875	
	Examiner Name	MACCHIAROLO, PETER J.	
Total Number of Pages in This Submission	21	Attorney Docket Number	ADTP0033USA

ENCLOSURES (check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Assignment Papers (for an Application)	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment / Reply	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	
<input checked="" type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Request for Refund	
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> CD, Number of CD(s) _____	
<input type="checkbox"/> Response to Missing Parts/ Incomplete Application	Remarks	
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Winston Hsu, Reg. No.: 41,526
Signature	<i>Winston Hsu</i>
Date	4/18/2003

CERTIFICATE OF MAILING		
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on this date: 		
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Signature		Date

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